

G Sub 1001 dp+



The G Sub 1001 is a compact, high powered 10" subwoofer with an integrated 2 channel amplifier and DSP controller. Four different presets and volume settings are available to cater for a wide range of applications. The second amplifier can be used to drive a HiMid loudspeaker or a passive subwoofer. The particularly low-profile form and high power-handling capabilities make the G Sub 1001 dp+ especially interesting for applications requiring precise bass reproduction and very unobtrusive installation.

PRODUCT SPECIFICATIONS

Speaker Components	10"
Description	Digitally Powered Bass Extension
Amp Power	250 W AES (single Mode) / 110-230 V 500 W AES (dual Mode) / 110-230 V 500 W AES / 4 Ω - HiMid/Sub
Rated Current	0,75 A @ 230 V
SPL <small>Peak @ 1 m</small>	128 dB
Max. Input Signal	25 dBu
DSP	HDLM FPGA Processing 32 bit floating point
AD / DA	24 bit / 96 kHz
Latency	0,8 ms (analog in to analog out)
Usable Range <small>- 6 dB</small>	44 Hz - 120 / 160 Hz
Tuning Frequency <small>excursion minimum</small>	53 Hz
Connectors	Neutrik XLR in/out Neutrik PowerCon in/out 2x Neutrik Speakon NL4MP out
Handles	1 x
Rigging / Fittings	M20 on top
Weight	18,0 kg
Size <small>height x width x depth</small>	28,0 x 43,0 x 43,0 cm
Order No.	00605/dp+



M20 flange on top.

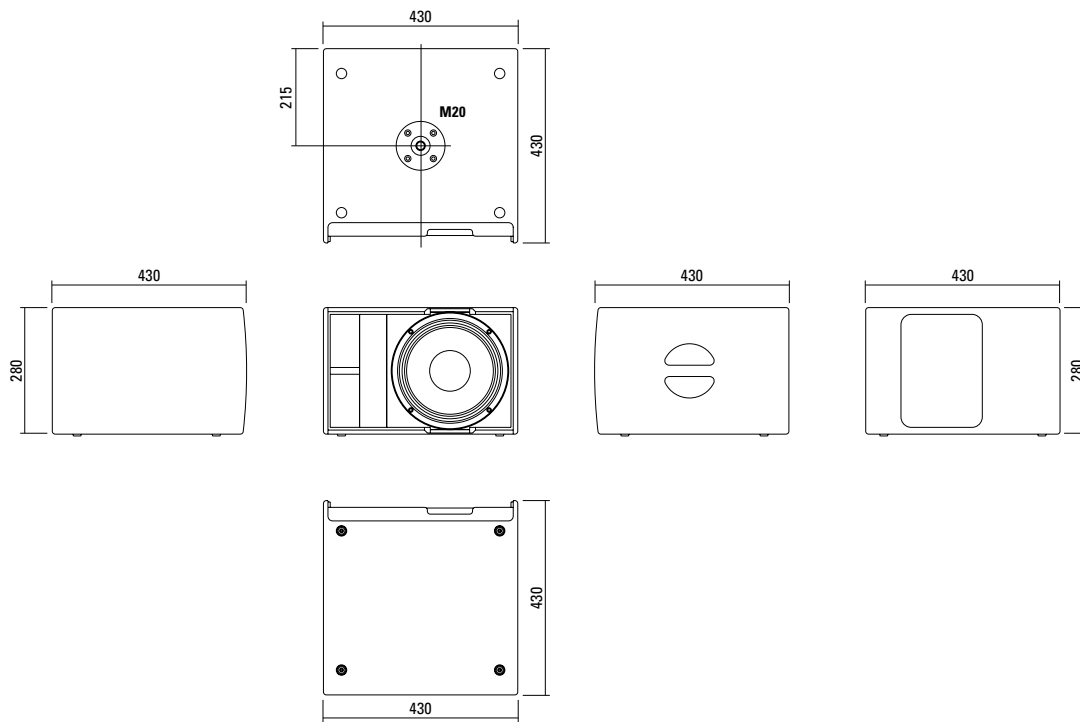


Comfortable handles for easy transport.



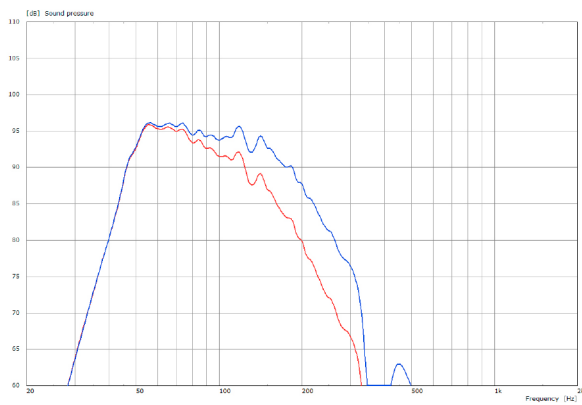
Connection panel back.

DIMENSIONS

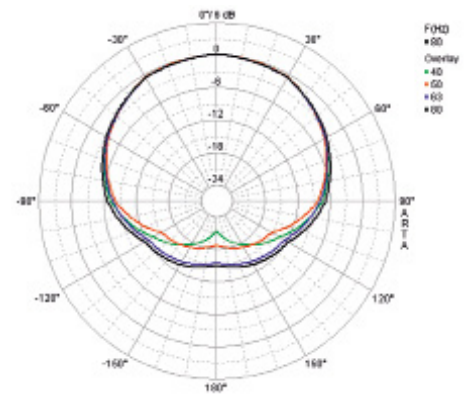


MEASUREMENTS

Frequency Response with Presets



Cardioid - Polar Diagram



The G Sub 1001 dp+ features integrated digital amplifier electronics with a DSP controller. Various factory-configured presets and volume settings can be selected.

High-grade electronic components from the industrial sector and a first-class circuit design ensure excellent audio quality with low distortion and a minimal noise floor. Highly efficient and "intelligent" limiter systems ensure optimum protection against overload, without restricting the possibilities offered by this high-performance sound system.

Level
Adjustment in 3 dB steps (-6 dB to +3 dB).

Status
Mute LED
Red light when the system is muted or under technically critical conditions.

Limit LED
Yellow light when the limiter is restricting the level.

Signal LED
Green light when the input signal exceeds -20 dBu

Power LED
Green light when the system is switched on.

Speakon NL4MP
Parallel output connector for a passive G Sub 1001 with an 8 Ω impedance (2+/-). The mid-high signal from the separate output is also present here on pins 1 +/- (compatible with our system cabling.)

Speakon NL4MP
Connector for passive tops or subs or both on the second amplifier channel. (pins 1 +/- top and 2 +/- sub).

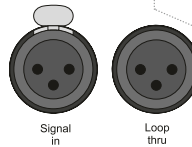
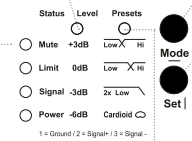
G Sub 1001dp+

digitally powered Bass Extension

Power	250 W AES (single Mode)
	500 W AES (dual Mode)
Speakon out	500 W AES / 4 Ω - HiMid / Sub
Input Impedance	10 kΩ
max. SPL @ 1 m	128 dB
Frequency Range	44 Hz - 120/160 Hz
Mains Supply	100-230 VAC
Weight	18 kg

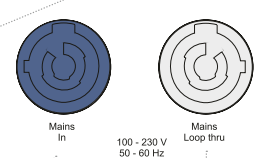
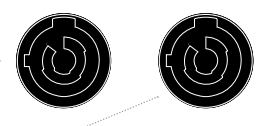


Caution
Do not touch
Aluminum plate might become hot during operation



Output to G-Sub 1001 minimum Impedance 8Ω

Speakon Out HiMid / Sub 500W / 4 Ohm 1+/- con. 2+/- con.



PowerCon (blue)
Power supply
~ 110-230 V

PowerCon (grey)
~ 110-230 V / 16A max.
loop through connector

Mode - key
Switches between control modes Status, Level and Presets.

Set - key
Setting of various values and Mute on / off.

Presets
Low/Hi
2-way active preset with a low crossover frequency. Suitable for use with larger passive top cabinets.

Low/Hi
2-way active preset with a higher crossover frequency. Suitable for use with compact passive top cabinets.

2 x Low
Subwoofer mode without tops with a low crossover frequency. Up to two G Sub 1001 can be connected to the right hand Speakon socket. Power rating: 500 Watt / 4 Ω.

Cardioid mode
For directional bass reproduction in conjunction with one or two additional G Sub 1001 or G Sub 1001 dp+ systems. This mode is applied only to the rear-facing sub. The level reduction to the rear can be up to 20 dB, depending on the actual physical setup and the frequency.

XLR
Symmetrical analog input, max. Input +25 dBu. Effective filter protection against HF interference and DC Voltages. Virtual ground lift.

ACCESSORIES G Sub 1001 dp+

Speaker Pole

M20, with wind up, K&M

Order No. **03023**



M20, adjustable, K&M

Order No. **03022**



Ceiling Mount

for Subwoofer, 2 parts,
incl. screws

Order No. **08129**

Order No. **08129/w** (RAL 9010)



Cover

for G Sub 1001, padded

Order No. **01226**



Hybrid Cable System

PowerCon-PowerCon / XLR-XLR

2,5 m Order No. **08462**

5 m Order No. **08464**

10 m Order No. **08466**

15 m Order No. **08468**



Ceiling mount.